JUN 12 2003 JUN 20

CERTIFICATE OF MAILING

RTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH STATES POSTAL SERVICE WITH SUFFICIENT POSTAGE AS FIRST-

CLASS MAIL IN AN ENVELOPE ADDRESSED TO:

COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450

ON June 9, 2003

June 9, 2003

Attorney Docket No. B2368

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THE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Richard M. Hindley

June 9, 2003

Appln No.:

457,272

Examiner: R. Gerstl

Filed:

December 27, 1989

For:

NOVEL COMPOUNDS

Patent No.:

5,002,953

Certificate

Issue Date:

March 26, 1991

JUN 1 6 2003

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

of Correction

REQUEST FOR CERTIFICATE OF CORRECTION UNDER 37 C.F.R. §1.322

Sir:

It is respectfully requested that a Certificate of Correction under the seal of the U.S. Patent and Trademark Office be issued to correct the errors which appear in the printed patent as a result of Patent and Trademark Office mistakes. Attached hereto in duplicate is Form PTO-1050.

Respectfully submitted,

Kathryn V. Sieburth Attorney for Patentee Registration No. 40,072

GLAXOSMITHKLINE
Corporate Intellectual Property - UW2220
P.O. Box 1539
King of Prussia, PA 19406-0939
Phone (610) 270-5012
Facsimile (610)270-5090
N:kkls\cases\b2368\Cert Correct PTO Error.doc

(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO :

5,002,953

Page 1 of 7

DATED

March 26, 1991

INVENTOR(S):

Richard M. HINDLEY

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 2:

Line 39, delete "." and insert --,--

Column 5:

Line 57, delete "RIHN(CH₂)n \longrightarrow O \longrightarrow " and insert $-R^1$ HN(CH₂)n \longrightarrow O \longrightarrow -

Column 7:

Line 11, delete "A²," and insert --A²,--

Column 11:

Line 36, delete "2[N-" and insert --2-[N--Line 38, before "sulphoxide" insert --dimethyl--

Lines 64, after dryness, insert --.--

Column 12:

Line 14, delete "solutiOn", and insert --solution--

Column 13:

Line 17, delete "pvrimidinyl" and insert --pyrimidinyl--Line 68, delete "0"

MAILING ADDRESS OF SENDER:

PATENT NO. 5,002,953

P.O. Box 1539 UW 2220 King of Prussia, PA 19406-0939

Approved for use through 09/30/2000. OMB 0651-0033

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO :

5,002,953

Page 2 of 7

DATED

March 26, 1991

INVENTOR(S):

Richard M. HINDLEY

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 14:

Line 3, delete "2" and insert --s--

Line 3, delete "0" and insert --9--

Column 15:

Line 37, delete "(D2O)" and insert -- D2O--

Line 37, insert --.-- after "7" (second occurrence)

Line 51, delete "N(2" and insert -- N-(2--

Column 16:

Line 31, before "2-(N", insert --4-[--

Line 32, delete "1" and insert --]--

Column 17:

Line 23, delete "1amino)" and insert -- Jamino)--

Column 18:

Line 12, delete "(4,5dime-", and insert --(4,5-dime- --

Column 19:

Line 5, delete "ethoxy]ben-" and insert --ethoxy]-ben- --

MAILING ADDRESS OF SENDER:

PATENT NO. 5,002,953

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO :

5,002,953

Page 3 of 7

DATED

March 26, 1991

INVENTOR(S):

Richard M. HINDLEY

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 20:

Line 55, delete "ethoxy)ben-" and insert --ethoxy)-ben- --

Column 21:

Line 7, delete "4-3" and insert --4-[3--Line 47, delete "2 1" and insert --2.1--

Column 22:

Line 2, delete "amino1" and insert --amino]--

Line 13, delete "m®thylamino)" and insert --methylamino)--

Line 23, delete "D20" and insert -- D20--

Line 27, delete "BenzoxazolV1)" and insert --Benzoxazolyl)--

Line 27, delete "amino1" and insert --amino]--

Column 23:

Line 33, delete "amino1" and insert -amino]--

Line 52, delete "CDC133.0" and insert --CDC133.0--

Line 66, delete "r'ixture" and insert --mixture--

Column 24:

Line 39, delete "methanesulchonyl" and insert --methanesulphonyl--

MAILING ADDRESS OF SENDER:

PATENT NO. 5,002,953

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO :

5,002,953

Page 4 of 7

DATED

March 26, 1991

INVENTOR(S):

Richard M. HINDLEY

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 25:

Line 12, delete "D20" and insert -- D20--

Line 26, delete "amino) ethoxy]" and insert --amino)ethoxy]--

Line 37, delete "ethoxy1]" and insert --ethoxy]--

Line 40, delete current structure, and insert

Line 65, before "A solution" insert

Column 26:

Line 24, delete "amino) ethoxy]-" and insert --amino)ethoxy]--

MAILING ADDRESS OF SENDER:

PATENT NO. 5,002,953

P.O. Box 1539 UW 2220 King of Prussia, PA 19406-0939

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO :

5,002,953

Page 5 of 7

DATED

March 26, 1991

INVENTOR(S):

Richard M. HINDLEY

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 27:

Line 33, insert before "2-(N-Methyl" and insert -5-(4-[--

Line 34, delete "ethoxy1" and insert -ethoxy]--

Line 51, before "2-(N-Methyl", insert --[--

Column 28:

Line 49, before "2-(N-Methyl", insert --[--Line 50, delete "ethoxy1" and insert --ethoxy]--

Column 29:

Line 3, before "2-(N-Methyl", insert --[--Line 26, delete "5-(4[2" and insert --5-(4-[2--

Column 30:

Line 3, delete "5-(4[2" and insert --5-(4-[2--

Line 3, before "2-(4", insert --[2-(4---

Line 28, before "2-(4", insert --[2-(4---

Line 39, delete "methyl -N-" and insert --methyl-N- --

Line 49, delete "5-(4-2" and insert --5-(4-[2--

Column 31:

Line 45, delete "5-(4[2" and insert --5-(4-[2--

MAILING ADDRESS OF SENDER:

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO :

5,002,953

Page 6 of 7

DATED

March 26, 1991

INVENTOR(S):

Richard M. HINDLEY

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 32:

Line 5, delete "5-(4[2" and insert --5-(4-[2--

Line 5, delete "2-(4,5-" and insert --2-(4,5- --

Line 5, delete "Jamino)e-" and insert -- Jamino)-e- --

Line 24, delete "5-4-" and insert --5-[4--

Line 24, delete "benzv11" and insert --benzyl]--

Line 53, delete "benzylidenel" and insert --benzylidene]--

Column 34:

Line 32, delete "5-(4-3-" and insert --5-(4-[3- --

Line 54, before "4-[3-", insert --5-(--

Column 35:

Line 6, delete "5-(4[2" and insert --5-(4-[2--

Line 7, delete "2,4-" and insert -- -2,4- --

Line 64, delete "DMSO-d₆1.70" and insert -- DMSO-d₆1.70--

Column 36:

Line 3, delete "5(4-" and insert --5-(4- --

Line 17, delete ")amino" and insert --)-amino--

Line 19, delete "CDC1₃1.85" and insert --CDC1₃1.85--

Line 28, delete "2,4-" and insert -- -2,4- --

Line 42, delete "DMSO-d₆3.80" and insert -- DMSO-d₆3.80--

Line 64, delete "DMSO-d₆3.10" and insert -- DMSO-d₆3.10--

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO :

5,002,953

Page 7 of 7

DATED

March 26, 1991

INVENTOR(S):

Richard M. HINDLEY

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 37:

:

Line 2, delete "5-(4[2" and insert --5-(4-[2--Line 34, delete "With" and insert --with--

Column 40:

Line 55, delete "5" and insert --5--

Column 41:

Line 31, delete "ethoxy]benzyl)-" and insert --ethoxy]-benzyl)- --

Column 42:

Line 34, delete "5" and insert --5--

MAILING ADDRESS OF SENDER:

PATENT NO. 5,002,953

P.O. Box 1539 UW 2220 King of Prussia, PA 19406-0939

United States Patent [19]

Hindley

[11] Patent Number:

5,002,953

(I)

[45] Date of Patent:

Mar. 26, 1991

[54]	COMP	OUNDS
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[75] Inventor: Richard M. Hindley, Surrey,

England

[73] Assignee: Beecham Group p.l.c., Brentford,

England

[21] Appl. No.: 457,272

[22] Filed: Dec. 27, 1989

thiazolidine-2,4-dione (ADD-3878) and its Derivatives", pp. 3585-3588, 3590, 3591*.

Primary Examiner-Robert Gerstl

Attorney, Agent, or Firm-Hopgood, Calimafde, Kalil,

Blaustein & Judlowe

[57]

ABSTRACT

Compounds of formula (I):

Related U.S. Application Data

[63] Continuation-in-part of Ser. No. 238,764, Aug. 30, 1988, abandoned.

[30]	Foreign	Application	Priority	Data
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Sep. 4, 1987 [GB]	United Kingdom 8720825
Nov. 30, 1987 [GB]	United Kingdom 8727987
Feb. 4, 1988 [GB]	United Kingdom 8802454

[51] Int. Cl.⁵ C07D 417/12; A61K 31/125; A61K 31/44; A61K 31/55

[56] References Cited

FOREIGN PATENT DOCUMENTS

008203 2/1980 European Pat. Off. .

OTHER PUBLICATIONS

Chemical and Pharmaceutical Bulletin, vol. 30, No. 10, Oct. 1982, pp. 3580-3600, Tokyo, JP; T. Sohda et al. "Studies on Antidiabetic Agents, (II.1) Synthesis of 5-[4-(1-methylcyclohexylmethoxy)-benzyl]-

$$A^{1}-N-(CH_{2})_{n}-O-A^{2}-CH-C \\ \downarrow \\ NH$$

or a tautomeric form thereof, or a pharmaceutically acceptable salt thereof, or a pharmaceutically acceptable solvate thereof, wherein:

A¹ represents a substituted or unsubstituted aromatic heterocyclyl group;

R1 represents a hydrogen atom, an alkyl group, an acyl group, an aralkyl group, wherein the aryl moiety may be substituted or unsubstituted, or a substituted or unsubstituted aryl group;

R² and R³ each represent hydrogen, or R² and R³

together represent a bond;

A² represents a benzene ring having in total up to five substituents; and

n represents an integer in the range of from 2 to 6; pharmaceutical compositions containing such compounds and the use of such compounds and compositions in medicine.

55 Claims, No Drawings